

Title (en)
VACUUM PUMP APPARATUS AND METHOD OF OPERATING THE SAME

Title (de)
VAKUUMPUMPENVORRICHTUNG UND VERFAHREN ZUM BETRIEB DAVON

Title (fr)
APPAREIL DE POMPE À VIDE ET SON PROCÉDÉ DE FONCTIONNEMENT

Publication
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Application
EP 22213282 A 20221213

Priority
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Abstract (en)
A vacuum pump that can reduce deposition of by-product in a pump chamber caused by a process gas, can prevent an unintended stop of a vacuum pump apparatus, and can ensure restarting of the vacuum pump apparatus is disclosed. The vacuum pump apparatus includes: a pump casing (2) having a pump chamber (1) therein; a pump rotor (5A-E) arranged in the pump chamber; a rotation shaft (7) to which the pump rotor is secured; a bearing (17, 18) that rotatably supports the rotation shaft; a side cover (10A, 10B) coupled to the pump casing; a heater (35) attached to the side cover (10A); and a heater controller (40) configured to instruct the heater to generate heat intermittently when the pump rotor is rotating. The bearing (18) is coupled to the side cover (10A).

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Citation (applicant)
JP 2009097349 A 20090507 - EBARA CORP

Citation (search report)
• [XAYI] EP 3808983 A1 20210421 - EBARA CORP [JP]
• [XA] FR 2964163 A1 20120302 - ALCATEL LUCENT [FR]
• [X] KR 20210134772 A 20211110
• [YA] GB 2570349 A 20190724 - EDWARDS LTD [GB]

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